



Midwest Clean Diesel Initiative and Future Federal Funding Opportunities



Port of Duluth: Clean and Efficient Goods Movement Workshop

February 22, 2005
Duluth, MN

- 
- Overview of National Clean Diesel Campaign
 - Midwest Clean Diesel Initiative
 - Federal Funding Opportunities

What is the National Clean Diesel Campaign?



- Regulatory and Voluntary Program
- Regulates fuel standards and new engine emissions
- Voluntary program combines national and regional efforts

National Regulatory Program

- Clean Diesel Truck and Bus Rule (Dec 2000)
- Clean Air Nonroad Diesel Rule (May 2004)
- When fully implemented in 2030, these regulations will annually prevent up to:
 - 12,000 premature deaths,
 - one million lost work days,
 - 15,000 heart attacks, and
 - 6,000 children's asthma-related emergency room visits
- Combined, these stringent regulations will achieve over \$150 billion in health benefits
- But what can be done with the 11 million engines in use today (estimated 3.3 million in the Midwest)?

National Voluntary Program

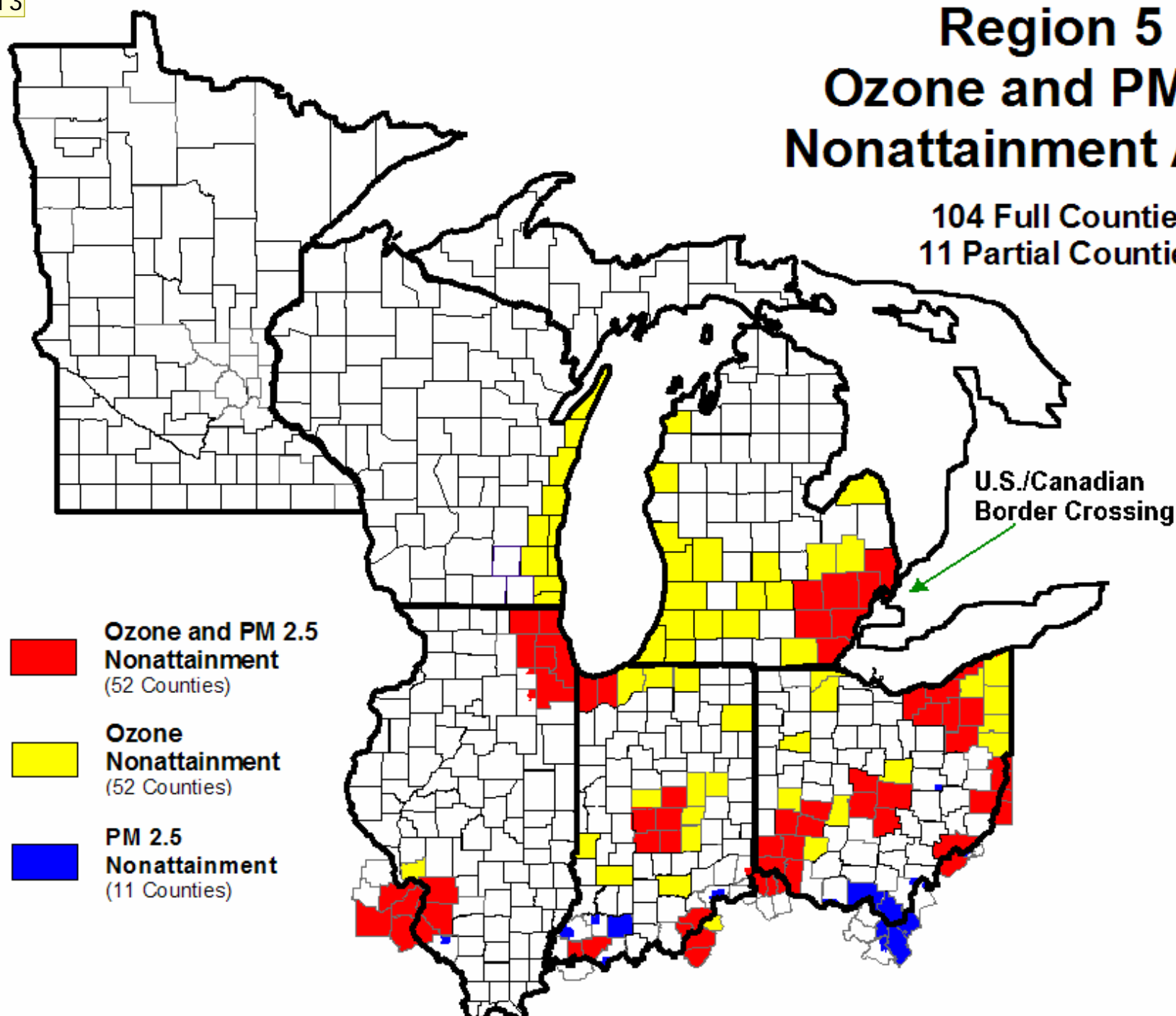
- Clean School Bus USA
- SmartWay Transport Partnership
- Clean Ports USA
- Clean Construction USA
- Clean Agriculture USA



Ohio Senator George Voinovich introduced the Port of Cleveland Retrofit project under the Diesel Emissions Reduction Program, which was passed into law as part of the Energy Policy Act of 2005.

Region 5 Ozone and PM 2.5 Nonattainment Areas

104 Full Counties
11 Partial Counties



Slide 6

T3

Over 28 million people live in nonattainment areas in the Midwest. The Midwest plays a vital role in our nation's freight transportation, where freight volume across the Midwest is expected to increase by 50% by 2020. In addition the US/Canadian Border in SE Michigan is the busiest border crossing in North America.

Temp , 12/2/2005

MIDWEST CLEAN DIESEL INITIATIVE



Illinois Environmental
Protection Agency



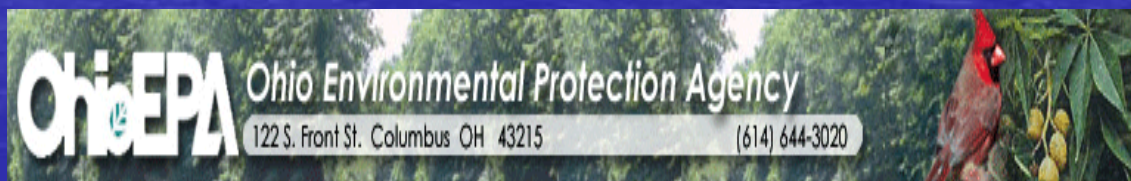
Indiana Department of
Environmental Management



Department of
Environmental Quality



Minnesota Pollution Control Agency



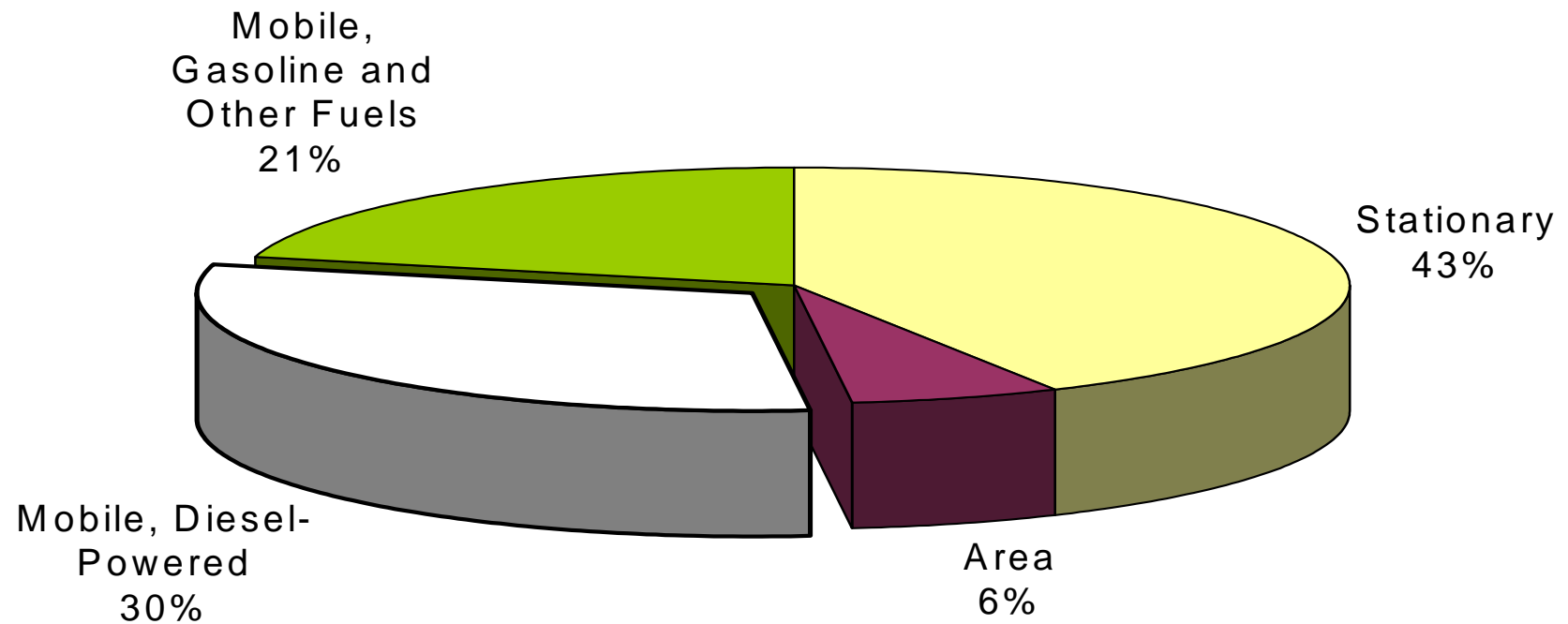
Slide 7

T2

EPA is entering a new generation of environmental policy where market-based incentives, innovative approaches and collaborative partnerships are accelerating environmental progress. Region 5 and our partners look forward to continued partnerships to improve public health and environmental protection. Look for the Midwest Clean Diesel Initiative Website in the near future for future news and upcoming events.

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Regional NOx Emissions



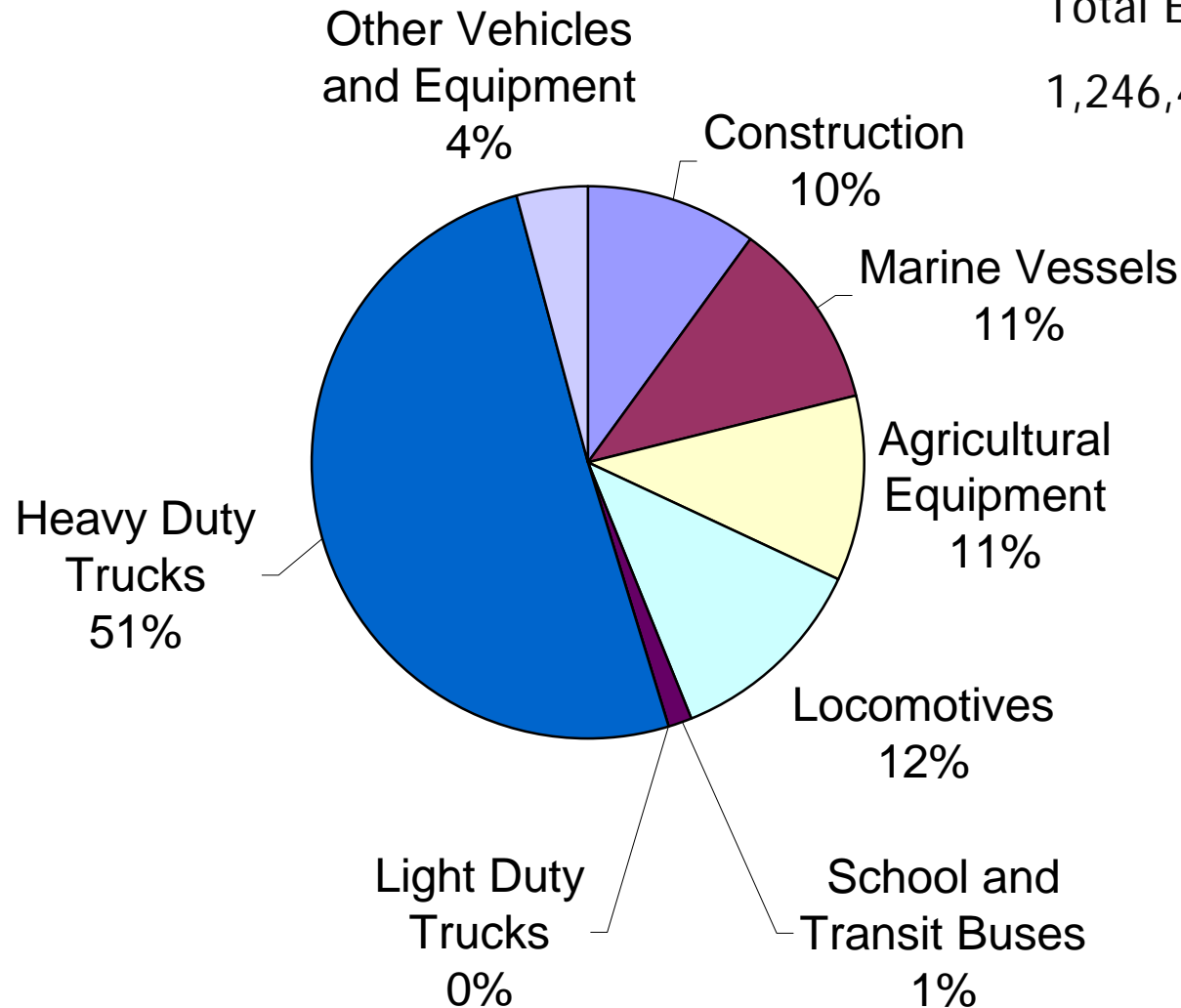
Total Emissions: 4,100,841 tons per day

Source: 2001 National Emissions Inventory

Diesel Engine NOx Emissions

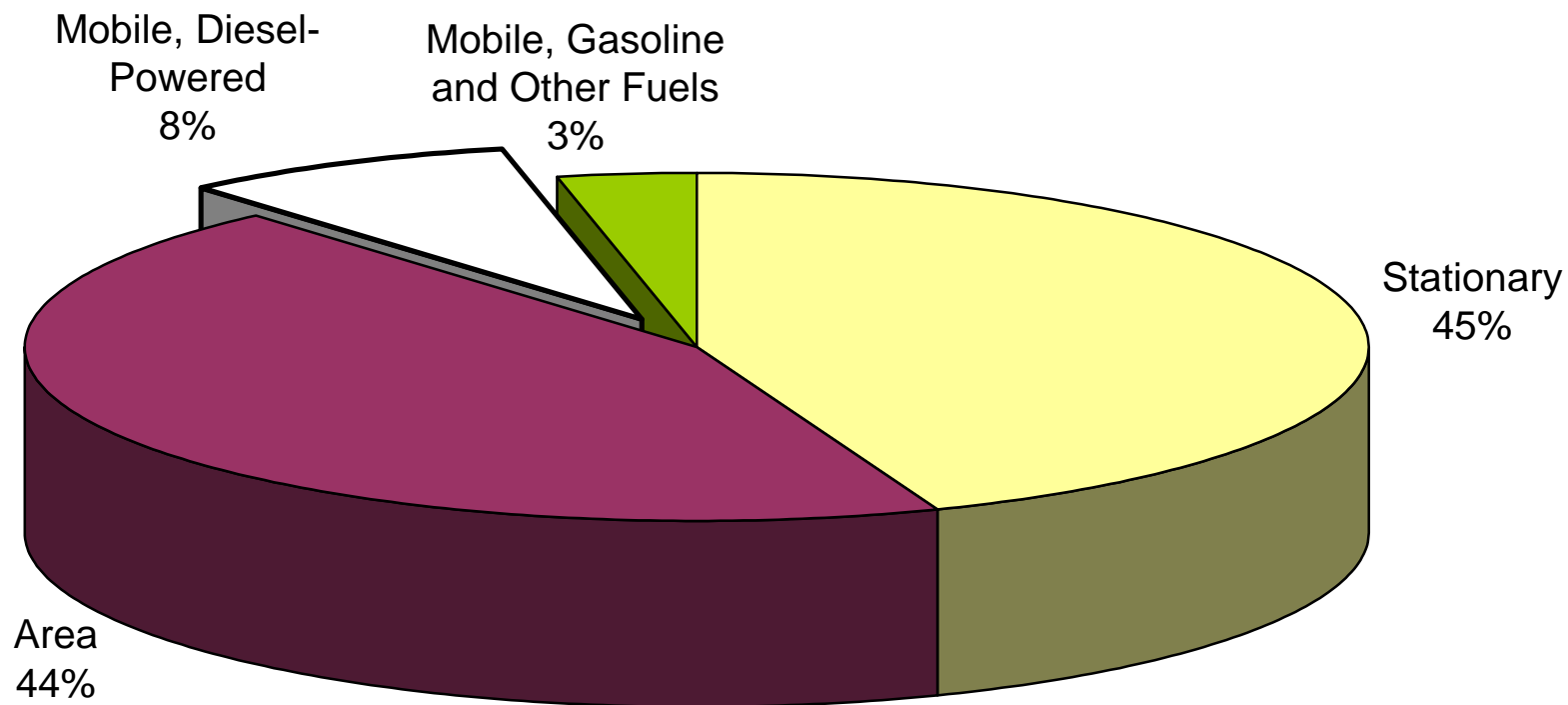
Total Emissions:

1,246,431 tons per year



Source: 2001 National Emissions Inventory

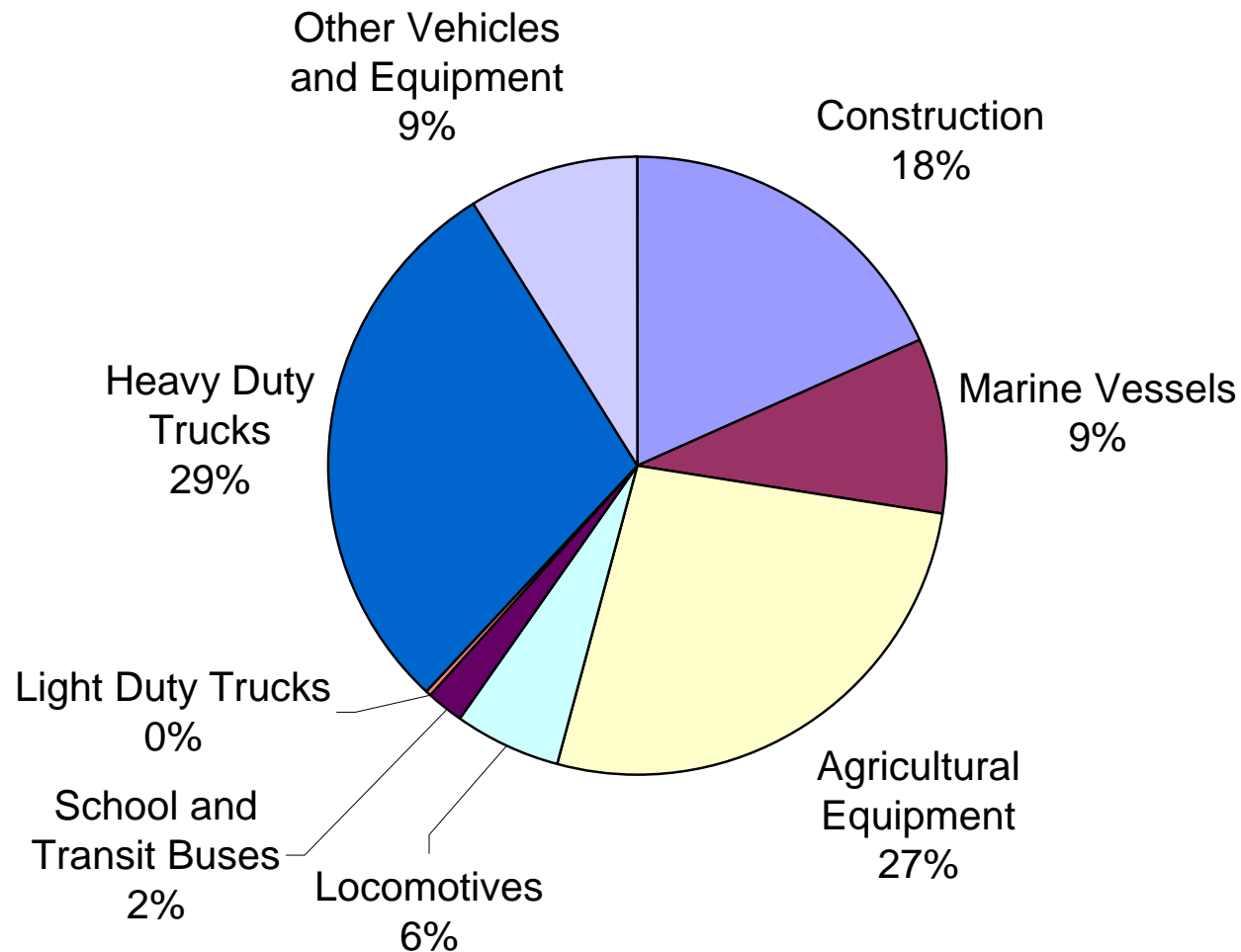
Regional PM_{2.5} Emissions



Total Emissions: 712,908 tons per day

Source: 2001 National Emissions Inventory

Diesel Engine PM_{2.5} Emissions



Total Emissions:

58,666 tons per year

Source: 2001 National Emissions Inventory

Midwest Clean Diesel Initiative



- Region 5 leadership focus on three sectors of the National Clean Diesel Campaign
 - Ports
 - Ag/Grain Transport
 - Rail
- Geographic focus on Southeast Michigan/ Canadian border
- Develop funding resources
- Continued support of school bus, construction, and municipal fleet sectors

What is the funding history?

- Voluntary Retrofit and Replacement
 - Over \$6M since 2000
- Clean School Bus USA
 - \$24.5 since 2003
- Smartway
 - \$6.7M since 2004
- National Clean Diesel Campaign
 - \$5M in 2006

Midwest Clean Diesel Initiative

- Midwest Clean Diesel Initiative- Request for Funding to be issued this year for diesel projects
- CARE – Community Action for a Renewed Environment \$2.7 million

<http://www.epa.gov/CARE>

- Congestion, Mitigation, and Air Quality Program
State Department of Transportation and
Metropolitan Planning Organizations

<http://www.fhwa.dot.gov/environment/cmaqpgs/>

- President's 07 Budget Request includes \$50 Million for Diesel Program

Grant Tips: Top 10 Things You Should Know

1. Assess Your Fleet
2. Assemble Your Partners
3. Do an Administrative Check-up
4. Consider How You Will Contribute
5. Start Writing Early
6. Watch for the RFA
7. Assemble Your Grant Application
8. Proofread Your Application
9. Remember Bonus Points
10. Finish

Midwest Clean Diesel Initiative

- Midwest Clean Diesel Initiative
www.epa.gov/midwestcleandiesel
- Midwest Clean Diesel Initiative E-Blast
Receive email updates on upcoming events, diesel-related news to your inbox (send email to nichols.jonathan@epa.gov)
- March 22, Michigan Clean Fleet Conference: Driving technologies, fuels, and funding for Cleaner Air – Detroit, MI
- May – Illinois Event (Chicago area)
- SmartWay Awards

Midwest Clean Diesel Initiative

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